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Vol. XXII

June 15, 1926

No. 7

KANSAS STATE TEACHERS COLLEGE
OF PITTSBURG

August Session Bulletin

THE LIBRARY OF THE
OCT 6 1926
UNIVERSITY OF ILLINOIS

Beginning July 31 and
Closing Aug. 27, 1926

K. S. T. C. PRESS
Pittsburg

Entered May 6, 1905, at Pittsburg, Kan., as second class matter under
Act of Congress of July 6, 1904

INFORMATION

ENROLLMENT. Students in residence may begin their enrollment on Monday, July 19, and should be enrolled during the week of July 19 to 24, in order that classes may be arranged for. Students entering for the August Session not in residence during first session, must enroll on Saturday, July 31. Owing to the shortness of the term, and the intensity of the work, late enrollments cannot be accepted. The teachers are so heavily loaded that they have no time to give to making up back work.

BEGINNING OF CLASS WORK. All classes will begin their recitation work with full periods as per this schedule at 7:30 A. M., Monday morning, August 2.

FEE. The fee for the August Session is \$10.00, irrespective of the number of hours the student may carry.

NUMBER OF HOURS. The student may carry a maximum of five hours, and a minimum of two; but the fee will be the same for each individual student.

The following schedule of classes for the August Session may be modified in case there is not a sufficient number of students to carry any of the courses offered, or in case there should be a demand for courses not mentioned in this schedule, classes will be organized in such courses as the demand may justify:

SCHEDULE OF CLASSES

August Session

BIOLOGY

- 7:30 General Agriculture 2. Three hours.
- 7:30 Physiology and Hygiene 12. Three hours.
- 10:10 Nature Study 15. Two hours.
- 10:10 School Hygiene 21. Two hours.

CHEMICAL AND PHYSICAL SCIENCE

- 7:30 History Methods in Physical Sciences. Three hours.
- 7:30 Chemistry 1. Five hours.
- 10:10 General Science 15. Two hours.
- Field Geology 85. Five hours.

COMMERCE

- 7:30 Shorthand 6. Two and one-half hours.
- 10:10 Accounting 12 & 13. Two hours 10:10—12:00 and 1:00—3:00
- 10:10 Typewriting 8. One hour 10:10—12:00 and 1:00—2:00.

EDUCATION

- 7:30 General Psychology 7. Three hours.
- 7:30 Administration 51. Three hours.
- 7:30 Introduction to Education. Three hours.
- 10:10 Child Psychology 8. Two hours.
- 10:10 Social Principles in Education 53. Two hours.

RURAL EDUCATION

- 7:30 The Administration of Consolidated and Village Schools 52. Three hrs.
- 7:30 Rural School Management 3. Three hours.
- 10:10 The School and the Community 5. Two hours.

ENGLISH

- 7:30 English 6. Three hours.
- 7:30 American Literature 7 and 66. Three hours.
- 7:30 Constructive English 1. Three hours.
- 10:10 Constructive Writing 1a. Two hours.
- 10:10 Short Story 5. Two hours.
- 10:10 Browning 51a. Two hours.

GEOGRAPHY

- 7:30 Physiography 1a. Three hours.
- 7:30 Commercial Geography 6. Three hours.
- 10:10 Primary Geography 4. Two hours.
- 10:10 Physiography 1b. Two hours.

HISTORY AND SOCIAL SCIENCES

- 7:30 Industrial History 51. Three hours.
- 7:30 American History 6a. Three hours.
- 7:30 Advanced Civics 21. Five hours.
- 7:30 English History 5. Five hours.
- 10:10 Roman History 2. Two hours.
- 10:10 Greek History 1. Two hours.

HOME ECONOMICS

If there is a demand sufficient to justify the organization of classes in Home Economics, such courses will be arranged for.

INDUSTRIAL ARTS

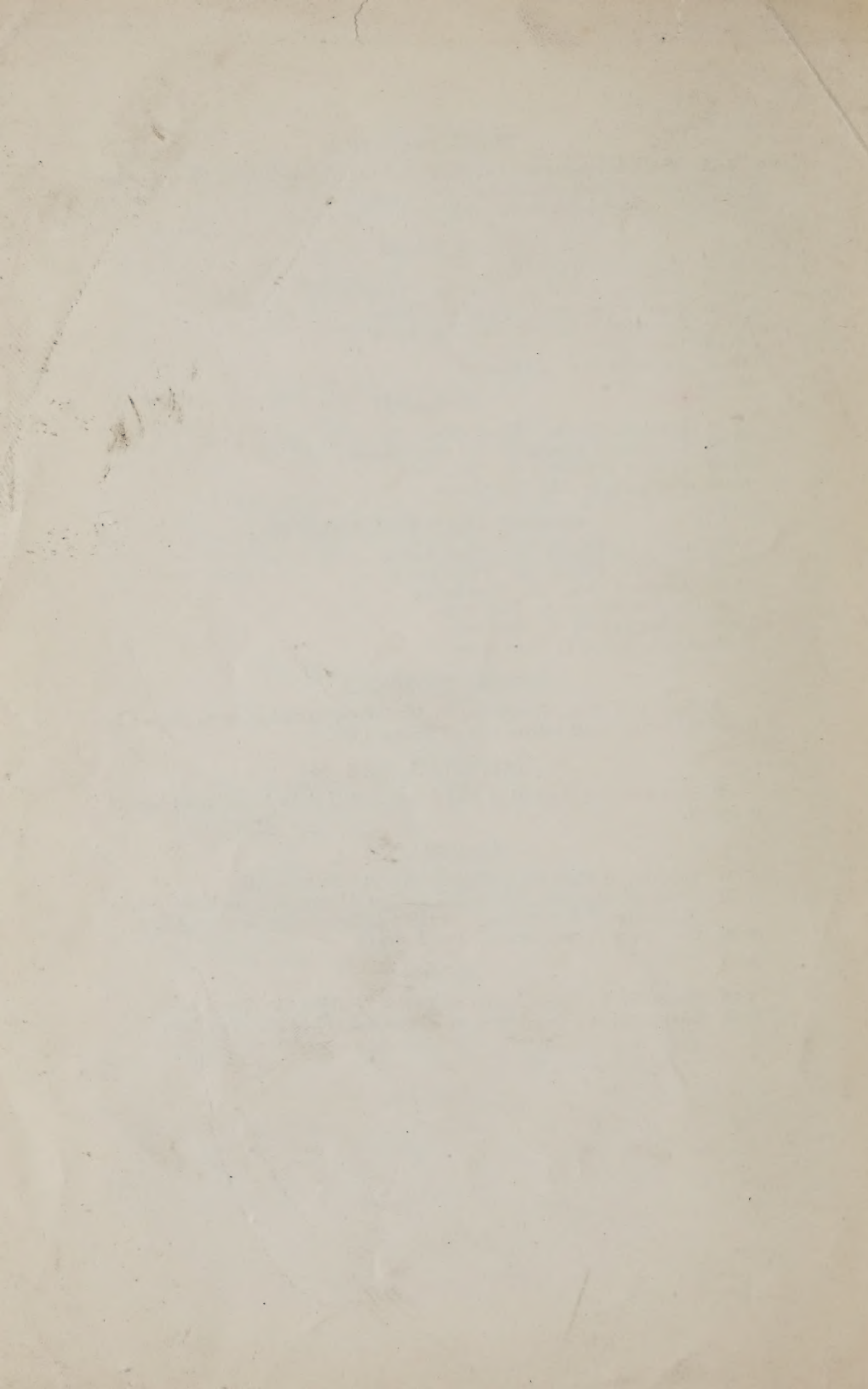
Courses will be organized in this department if there is sufficient demand to justify.

MATHEMATICS

- 7:30 Teaching of Elementary Mathematics 10. Three hours.
- 7:30 Advanced Algebra 3, two hours; College Algebra 4, three hours; Plane Trigonometry 5, two hours; Industrial Mathematics 8, three hours..
- 10:10 Descriptive Astronomy 52. Two hours.

SPEECH

- 7:30 Essentials 1. Three hours; or Public Speaking 51. Three hours.
- 10:10 Interpretation. Two hours; or Platform Reading 52. Two hours.



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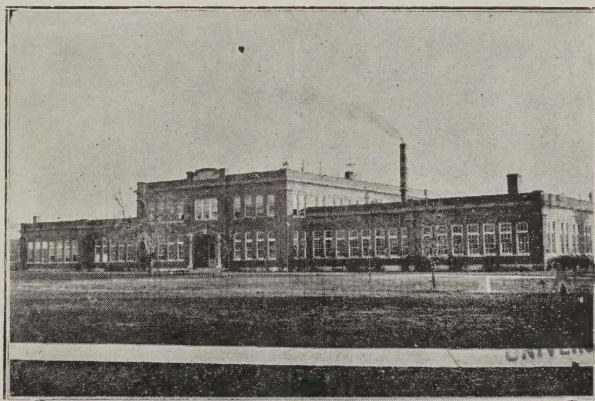
No. 6

Kansas State Teachers College of Pittsburg

INDUSTRIAL ARTS NUMBER

SUMMER SESSION

May 31 to July 30



INDUSTRIAL ARTS BUILDING

Entered May 6, 1905, at Pittsburg, Kan., as second-class matter, under act
of July 6, 1904.

LIBRARY OF THE

MAY 29 1926

UNIVERSITY OF ILLINOIS

KANSAS STATE TEACHERS COLLEGE
of Pittsburg
Pittsburg, Kansas

A College for Teachers, Including All the General
and Industrial Arts and Vocational
Subjects

Industrial Arts Number

MARCH, 1926

Printing Department
K. S. T. C.
Pittsburg, Kansas

CALENDAR, 1926-1927

1926

September 6, Monday.....Entrance examinations
September 7, Tuesday.....Enrollment
September 8, Wednesday.....Beginning of class work
December 17, Friday Work closes for 1926 at 4:10 P. M.

1927

January 3, Monday..Resumption of first semester's work
January 21, Friday.....First semester's work closes
January 24, Monday.....Second semester enrollment
January 25, Tuesday.....Beginning of class work
April 25 to April 29.....Annual Music Festival
May 22, Sunday.....Baccalaureate sermon
May 26, ThursdayCommencement
May 31, Tuesday.....First term summer session begins
July 29, Friday.....First term summer session closes

W. A. BRANDENBURG
President

A. H. WHITESITT
Director
The Teaching of Industrial Arts

R. E. WILLIAMS
Supervisor of Practice Teaching,
Organization and Administration of
Industrial Arts

C. R. WASSER
Cabinet Making and Mill Work
Technology of Wood Working

F. H. DICKINSON
Wood Turning and Pattern Making

H. V. HARTMAN
Automobile Mechanics and Forging

R. W. ERSKINE
Machine Shop Practice

G. E. BRALEY
Woodfinishing and Furniture Upholstry

C. F. KOPP
Drawing

O. A. HANKAMMER
Drawing and Design

E. W. BAXTER
Drawing and Sheet Metal

R. M. COFFELT
Supervisor of Printing
Linotype Mechanism

J. L. BISIG
Printing

R. J. NEVINS
Press and Lockup

J. A. PRICE
Linotype Operating

LEROY BREWINGTON
Printing

WHY MANUAL ARTS FAILS TO PROGRESS MORE RAPIDLY

"A constructive program of any kind is futile unless the teaching force is prepared to carry it out and is in thorough sympathy with it, for after all it is the teacher who determines results."

* * * * *

"It will also be necessary to overcome our conservatism; our teaching activities must partake of the nature of real investigation if we are to succeed. The problem method will entail a new attitude on the part of the teacher; he will have to be open-minded and in a receptive mood in order to fully appreciate this problem. Class work as such will be minimized and his concern will of necessity be transferred from the material product to the "boy product," and it is well that such be the case. The former has always been too much in evidence and has seemed to be the aim."

"The teacher of manual arts should do a great deal in the direction of professional advancement and almost of necessity must become a voracious reader if he is to be or remain at all familiar with the general education trends. This reading should not be confined to his special field but should include the fields of general education, literature, economics and contemporaneous social problems. Teachers are quite prone to become ultra-specialists and in the same measure limit their usefulness both as teachers and men of affairs. It must not be forgotten that the teaching of special subjects is amenable to the same principles governing education in general and that a broad training and wide outlook is necessary in order to see the various subjects in their true relation to the whole field of educational endeavor. Teachers should also be more generous in their attendance at educational institutions from time to time in order that they may come into direct contact with more advanced educational thought." —Extracts from a recent report of the State Superintendent of Public Education for Wisconsin.

SPECIAL INFORMATION

LOCATION

Pittsburg, the metropolis of southeastern Kansas, is located 130 miles south of Kansas City. It has four railroads—the Missouri Pacific, Sante Fe, Frisco, and Kansas City Southern—and over 100 miles of interurban railway. It is second to no other city in the state in its accessibility, with more than twenty passenger trains per day and interurban cars every few minutes.

Pittsburg is a city of over 22,000 population, located in one of the greatest industrial sections of the state. There are hundreds of coal mines surrounding the city in all directions, and millions of tons of coal are mined here annually. The main shops of the Kansas City Southern between Kansas City and Port Arthur, Tex., are located here, employing 2,000 men.

MATERIAL EQUIPMENT

The Kansas State Teachers College of Pittsburg occupies a campus of fifty-five acres adjoining the city upon the south. This piece of land is admirably situated for our institution. It is being put into condition very rapidly. There are located upon this campus at the present time eight splendid permanent buildings, one large temporary building and a stadium in process of construction with a seating capacity of 10,000 one-half completed.

INDUSTRIAL ARTS BUILDING

This building covers more ground space than Russ Hall. It is used exclusively for all work in industrial arts. Here are excellent shops equipped with the latest and best machinery that can be had, and doing all kinds of wood work, sheet metal, forge, foundry, machine shop, automobile and electrical work. It is well lighted and ventilated, and furnishes an opportunity for these various lines of work unequalled by any other in the West.

NEW GYMNASIUM

Another of the many needs of a rapidly growing institution has been realized. The new gymnasium now completed is one of the very finest.

The construction and arrangement is such as to provide a floor space of 96 by 146 feet in one unit, or a floor space of over 14,000 square feet. Around and above this floor, in amphitheater arrangement, is a seating capacity of approximately 2,000. Such a large

floor and seating arrangement is proving a very valuable asset in the putting on of various pageants, receptions and exhibitions. When this floor space is separated by the portable partition it affords an ample unit for the "the carrying on" of physical education for men, and women.

The first floor contains adequate shower facilities, physical-examination rooms and lecture rooms for work in physical education; also the large swimming pool, 26 by 60 feet, with a graduated depth of 3½ to 9 feet.

BOARD AND ROOMS

Excellent table board may be had at \$5 to \$7 per week in private families or in groups.

A cafeteria operated under the management of the College has capacity to accomodate 2,000 daily. Meals and lunches are served here at approximate cost, ranging from \$4 to \$5 per week.

Many teachers find it both pleasant and profitable to take a cottage or suite of rooms, do light housekeeping, and lunch at the cafeteria. By this method the cost of meals may be reduced.

Rooms cost, unfurnished, \$2 to \$5 the month; Furnished \$5 to \$10 per month, according to size and convenience. Furnished houses rent from \$20 per month and up. It is not necessary to engage room before one comes. It is more satisfactory to see the rooms before making definite engagements. An extensive list of approved boarding and rooming places is kept on file in the library at the school to aid students in securing favorable location. Men and women are not permitted to room in the same house. In houses where women students are rooming, suitable arrangements for use of a parlor for the reception of guests must be made.

FEES

All fees except hospital fees are to be paid at the beginning of each semester before admission to class.

Hospital.—Each school year, or fraction thereof, all students in the institution pay \$1 per year to be used as a fund for the care of the sick. This fee will not be refunded.

Nonresident Fees.—Nonresidents will pay, in addition to other fees, a fee of \$30 per year, payable in advance, by the semesters, as follows: \$15 per semester of eighteen weeks; \$10 for summer term of nine weeks. These fees will not be refunded.

Incidental Fee.—Each student will pay a fee of \$10.50 per semester, or fraction thereof, and the same for the Summer Session. Stu-

dents taking work in the sciences, manual training and other training where a considerable amount of material is used, individually, will be charged the actual cost of the material used by them.

Correspondence Work.—Students taking work by correspondence pay fees indicated in special correspondence circular.

Hospital Fund.—This fund is provided by the fee of \$1 per year paid by all students in the college and secondary courses. It is used to pay salary of the head nurse, for such emergency hospital supplies as are necessary, and for unavoidable expenses required for proper care of the sick. The hospital fund has met generous approval and contributed to better general health, and to the comfort of the students.

Laboratory Fee.—A small fee to cover cost of material is charged each student pursuing laboratory courses.

FRIENDS OF INDUSTRIAL EDUCATION

You no doubt are expecting to attend school somewhere next summer. Most persons like to go where the crowd goes, especially if they can get the work that they are interested in. We thought last summer that we had reached the peak in attendance, but every indication points to an enrollment this coming summer in excess of that of last summer. This should not be any surprise, for our program is larger and more interesting, our faculty is up to its high standard, and our facilities have increased for rendering a bigger and better service.

CHANGED IDEALS IN INDUSTRIAL EDUCATION

Wonderful progress has been made in the field of Industrial Education during the last few years. Industrial Arts has taken on a new significance. Ideals and practices have been rapidly changing. Most industrial teachers are cognizant of these changes and of the necessity of improving themselves, that they may reap the greatest benefits for themselves and render the most efficient service to their constituency.

A DIVERSITY OF COURSES

Compare the opportunities offered here with those offered elsewhere. We are offering 12 to 15 woodworking and allied courses, 10 to 12 drawing and design courses, a number of printing and linotype courses, and numerous professional courses. In addition to these special courses, you can get any work that is offered in any standard college.

CLASS SCHEDULE—

	Whitesitt	Williams	Wasser	Dickinson	Braley	Kopp	Baxter
7:00	Elementary Mechanical Drawing 1 2 hrs.	Elementary Cabinet Making	.	Advanced Wood Turning 59 2 hrs.	Advanced Upholstery 67 2 hrs.	Elementary and Advanced Machine Drawing 5 and 60 2 hrs.	Carpentry 21 2 hrs.
8:10		9 3 hrs.			1 hr. 15 Finishing Wood Elementary		
9:00			Advanced Cabinet Making 61 2 hrs.				
10:10	Bench Woodwork 3 hrs.					Prjoection Drawing 3 2 hrs.	Elementary and Advanced Architectural Drawing 12 and 62 2 hrs.
11:10		Organization and Administraton of Ind. Arts 3 3 hrs.			Elementary Upholstery 7 1 hr.		
12:20							
1:30				Care and Upkeep of Machinery 25 1 hr.	Elementary Wood Finishing 1. 1 hr.	Descriptive Geometry 65 2 hrs.	
2:20		Farm Mechanics 17 2 hrs.	Mill Work 51 2 hrs.	Elementary Wood Turning 5 2 hrs.			Elementary Sheet Metal 14 2 hrs.
3:30					Elementary Upholstery 1 hr. 7		
4:20			Saw filing 25 1 hr.				

26 SUMMER TERM

ankammer	Hartman	Erskine	Coffelt	Bisig	Nevins	Price	Brewington
	Automobile Mechanics 16 2 hrs.	Elementary and Advanced Machine Shop 10 and 52 2 hrs.	Linotype Mechanism 6 2 hrs. Proofreading 9 and 69 1 hr.				Elementary Printing 1 and 2 2 hrs.
Printing Design 8 1 hr.			Proofreading 9 and 69 1 hr.	Advanced Printing 3, 64, 65 2 hrs.	Press and Lock-up 7, 17, 68 2 hrs.	Linotype Operating 4, 5, 54 2 hrs.	
Industrial Arts Design 4 2 hrs.	Elementary Forging 2 2 hrs.	Elementary and Advanced Machine Shop 10 and 52 2 hrs.		Advanced Printing 3, 64, 65 2 hrs.	Press and Lock-up 7, 17, 68 2 hrs.	Linotype Operating 4, 5, 51 2 hrs.	History of Printing 35 2 hrs. Cost and Estimating 80 2 hrs.
						Linotype Operating 4, 5, 54 2 hrs.	
Furniture Design 54 1 hr.			Proofreading 9 and 69 1 hr.	Advanced Printing 3, 64, 65 2 hrs.	Press and Lock-up 7, 17, 68 2 hrs.		Advertising Layout 53 2 hrs.
Freehand Drawing 2 2 hrs.	Garage Practice 58 2 hrs.	Elementary and Advanced Machine Shop 10 and 52 2 hrs.	Proofreading 9 and 69 1 hr.			Linotype Operating 4, 5, 54 2 hrs.	

ment by appointment. See Coffelt.

MATERIAL EQUIPMENT

In selecting your summer school, you undoubtedly want to attend one which has not only a modern equipment but one that is adequate to serve you in the finest and most effective way. The industrial department of the Kansas State Teachers College is conceded to have one of the best and most elaborate equipment of any school in the entire country.

A FACULTY OF EXPERTS

Material equipment alone cannot make a school great, but a good equipment when manned by a large and efficient faculty which knows intimately the public school needs, can render a more extensive service than can a small faculty with a meager and insufficient equipment. This should be one of the determining factors in choosing a school.

VOCATIONAL EDUCATION

Vocational education is assuming a big place in our educational program. It is here to stay and we are glad to announce our plans to co-operate with the State and Federal Vocational Education Boards. July 14, 15 and 16 we will hold our fourth annual conference. We have as leaders R. O. Small, state director of vocational education for Massachusetts; Lewis Gustaffson, superintendent of the David Rankin School of Trades, St. Louis; C. F. Klinefelter and Jos. M. Hall, regional directors of the west central and southern states, respectively. This conference will attract interest beyond the limits of Kansas; we therefore are assured and confidently expect leaders in vocational education from Missouri, Iowa, Nebraska, Arkansas, and Oklahoma.

Industrial arts teachers and directors who can qualify for service under the federal vocational education law are being sought everywhere. We have been asked to recommend men within the last year for vocational positions ranging from that of instructor to state directorship. We have a large number of Industrial Arts teachers and directors in Kansas and neighboring states who can easily qualify for these more remunerative positions. This conference and a special two weeks' intensive course immediately following it, by Frank Cushman, chief, education service, Federal Board for Vocational Education, on special problems of organizing and conducting vocational work, affords a rare opportunity for preparation in this work. Mr. Cushman is in constant demand for summer school work and we count ourselves fortunate indeed in having him with us the last two weeks of our summer school.

OPPORTUNITY FOR EMPLOYMENT

The increasing demand for teachers of Industrial work, has kept salaries up to a point where the remuneration is quite satisfactory. We have no difficulty in placing our two year men who give evidence of successful teaching ability at salaries ranging from \$1,400 to \$1,700; and those who complete the four year course may reasonably expect even a greater salary. Only recently we received a request from one of the leading cities of the middle west, to recommend three Industrial teachers to begin work next September; the salary ranging from \$1,800 to \$2,400, depending upon qualifications. At the present time we do not have in mind anyone who may be available that measures up to the requirements and we have asked that we may defer until later our recommendations, thinking that our summer school may reveal some available teachers. School Boards are becoming more and more exacting. They are not satisfied with the mediocre teacher and are willing to pay the price for a good teacher. We have never, since the founding of the school, been able to supply the demand for adequately prepared teachers.

THE DEMAND FOR COMBINATION TEACHERS

INDUSTRIAL ARTS AND PHYSICAL EDUCATION

We have a great number of calls for men to teach Industrial Arts and Coach Athletics. This is a combination that demands a very good salary. The Kansas State Teachers College has earned a very enviable position in Kansas athletics. This is due chiefly to a corps of instructors and directors not excelled by any. Why not get your coaching instruction where everything makes for your success.

INDUSTRIAL ARTS AND AGRICULTURE

Another combination for which we are having an increasing number of calls is for those who can teach both Industrial Arts and Agriculture. These two subjects work together very harmoniously. The shop work which correlates best with agriculture is Farm Mechanics, Forging and Carpentry. We have worked out these courses in conjunction with our agriculture department and we are sure you can get just the kind of work best adapted to your needs if your work is along these lines.

INDUSTRIAL ARTS AND APPLIED ELECTRICITY

The great increase in the number of Junior High Schools with its multiplicity of Industrial courses has created a demand for shop teachers who can also teach practical electricity. Last year every

man who had anything like adequate preparation along these lines was placed and we could have placed others.

BOY PRODUCT VS. SHOP PRODUCT

One needs but to read our periodical literature and reports of state, regional and national conventions to appreciate the increased interest in and the marked progress that is being made in teaching material, courses and multiplication of activities. Too long the "shop product" has had the place of first and prime importance and the "boy product" that of secondary place. In conformity with better educational ideals and practices those who are responsible for the more industrial phases of our educational activities are reversing the order of things.

Woodworking will perhaps always maintain a prominent place in the Industrial Arts curriculum. It is true that it is receiving less emphasis than formerly but it is still given too much attention as the sine qua non. We are too easily satisfied and are too much inclined to pursue that course which meets with the least resistance. The average boy can not only work successfully in other materials such as are found in sheet metal work, hand work in metals, cement work, simple electrical work, printing, etc., but he is entitled to this opportunity and his school should make it possible for him to broaden his economic outlook and make him appreciate to a fuller extent the interrelations among the world's greatest activities.

It Is Important That the Industrial Arts Teacher Broaden His Educational Horizon

Some one has well said that teachers are prone to become ultra-specialists and in the same measure limit their usefulness both as teacher and as men of affairs. That the teaching of special subjects is amenable to the same principles governing education in general and that a broad training and wide outlook is necessary in order to see the various subjects in their true relation to the whole field of educational endeavor.

This is good gospel and each year there are more teachers accepting it as such. When choosing your summer school why not select one where such opportunity is available. Aside from the numerous courses offered in the Industrial Arts department a great number of courses in general education, economics and social science are open to you.

CREDIT

Credit in courses pursued may be applied on either the two year course leading to the Special Industrial Arts Certificate or the four year Degree Course.

OUTLINE OF COURSES

The figures immediately after the subject indicates the number of the course. The other figures indicate the number of semester-hours credit given for the course.

DEGREE COURSE

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Industrial Arts*	6	Industrial Arts	6
Elementary Mechanical Drawing (1)	2	Free-hand Drawing (2)	2
English (1)	3	Psychology (7)	3
Physical Education (1)	3	Physical Education (2)	2
Electives	3	English (1a)	2
	—	Electives	1
	14		14

SOPHOMORE YEAR

Industrial Arts	6	Industrial Arts	6
Projection Drawing (3)	2	Elementary Machine Drawing (5)	2
Industrial Arts Design (A)	2	Elementary Architectural Drawing	
Principles of Education (9)	3	(12)	2
Industrial Mathematics (8)	3	Organization and Administration of	
Physical Education	—	Industrial Arts (3)	3
	16	Teaching (65)	3
		Physical Education	—
			16

JUNIOR YEAR

Industrial Arts	2	Industrial Arts	2
Drawing†	2	Drawing†	2
Industrial History (51)	3	Sociology (58)	3
Vocational Guidance (65)	3	School Administration (51)	3
Electric Wiring (37)	3	Strength of Materials (13)	3
Electives	2	Electives	2
	15		15

SENIOR YEAR

Industrial Arts	2	Industrial Arts	2
Economics (73)	3	Electrical Machinery (75)	3
Public Speaking (51)	3	Teaching Industrial Arts (63)	3
Electives	7	Electives	7
	15		15

* A major may be chosen from one or more of the following groups: Woodwork, Metal Work, Printing and Linotype, Drawing.

† The drawing to be determined by the shop courses chosen.

SPECIAL CERTIFICATE COURSE

SPECIAL THREE-YEAR CERTIFICATE

The Kansas legislature of 1915 gave the state teachers' colleges the power to issue special certificates to teach manual arts and other occupational subjects. In accordance with this act of the legislature, the faculty of this institution has provided special courses for those desiring to teach such subjects upon the completion of the following outlined course. This course must embrace the following: Major subjects, 24; minor subjects, 12; education, 9; drawing, 6; practice teaching, 3; physical education, 4 semesters; English, 5; electives, 1.

A minor may be chosen in Drawing, Electricity, or Physical Education.

This special certificate in industrial arts will be issued for a period of three years, and may be renewed for a period of three years, provided thirty additional hours of college work has been completed, of which eight hours at least must have been selected from this department, and four hours in education. The special certificate may be renewed a second time only upon the completion of thirty additional hours of college work, which must be chosen to meet the course requirements of the major, and instead of a special certificate the candidate will then have completed his full college course, and will be issued the bachelor of science degree in education, which will authorize him to teach in any of the public schools of Kansas for life.

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Industrial Arts*	6	Industrial Arts*	6
Elementary Mechanical Drawing	2	Free-hand Drawing (2)	2
(1)	2	Psychology (7)	3
English (1)	3	Physical Education (2)	2
Physical Education (1)	3	English (1a)	2
Electives	3	Electives	1
	14		14

SOPHOMORE YEAR

Industrial Arts*	6	Industrial Arts*	6
Projection Drawing (3)	2	Elementary Machine Drawing (5)	2
Industrial Arts Design (4)	2	Elementary Architecture (12)	2
Principles of Education (9)	3	Organization and Administration of	3
Electives	3	Industrial Arts (3)	3
Physical Education	3	Teaching (65)	3
	16	Physical Education	3
	16		16

* A major may be chosen from one or more of the following groups: Woodwork, Metal Work, Printing and Linotype, Drawing.

† In the special certificate course outlined above, drawing is the minor. In case some other subject is chosen as a minor, only the first three drawing courses will be required.

INDUSTRIAL ARTS AND AGRICULTURE

Twenty-four semester hours credit have been made a minimum requirement for teaching Agriculture in the accredited high schools of the state. To meet this requirement and at the same time permit a student to prepare himself to teach Industrial Arts, a course has been adopted whereby a major in each of these subjects may be completed in four semesters and a summer term, thus enabling those completing this course to obtain certificates to teach both Industrial Arts and Agriculture in accredited high schools.

JUNIOR HIGH-SCHOOL TEACHERS

The junior high school is one of the foremost institutions attempting to offer a diversified curricula giving practice in the direction of adapting subject matter and procedure to the pupils' individual needs and capacities. Its function is to introduce the child to the occupational activities.

The increasing demand for industrial teachers who are competent to instruct in a diversified subject matter, as required in a junior high school, prompts this department to offer such liberal and diversified courses as will prepare teachers for this important field of education.

LIFE CERTIFICATE COURSE

Students who have attended the State Teachers' College of Pittsburgh one semester, and who have completed the requirements outlined below are entitled to a life certificate for teaching in the grades, elementary two-year and junior high schools.

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Industrial Arts*	4	Industrial Arts*	4
Elem. Mech. Drawing (1).....	2	Free-Hand Drawing (2).....	2
English (1).....	3	English (1a).....	2
Physical Education (1).....	3	Psychology (7)	3
Electives†	6	Physical Education (2).....	3
	15	Electives†	4
	15		15

SOPHOMORE YEAR

Industrial Arts*	4	Industrial Arts*	4
Drawing	2	Organization and Administration of Industrial Arts (3).....	3
The Junior High School (12).....	3	Teaching (65).....	3
Physical Education	3	Physical Education	3
Electives†	6	Electives†	5
	15		15

* A major may be chosen from one or more of the following groups: Woodwork, Metal Work, Printing, Drawing.

† A minor may be chosen from this group:

Physical Science	10 hours
Biological Science	10 hours
Geography	10 hours
Latin	10 hours
Public Speaking	10 hours
English	10 hours
History	10 hours
Mathematics	10 hours
Household Arts	10 hours

May we send you additional information? Address.

A. H. WHITESITT,
Director of Industrial Arts Department.

